Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/03/2020 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124800	-1	3.20	124905	3.16
Blue	F	SSC	125000	124911	-1	1.90	125726	1.83
Blue	E	FITC	15892	15585	-2	2.74	340	20.27
Blue	D	PE	29999	29668	-2	1.93	648	14.29
Blue	B	PerCP-Cy5-5	43732	43546	-1	3.69	1174	20.18
Blue	A	PE-Cy7	30845	31068	0	5.97	590	40.53
Red	C	APC	46112	45723	-1	2.55	1613	12.00
Red	A	APC-Cy7	30458	29729	-3	2.49	790	11.80
Violet	B	V450	7918	7570	-5	4.58	425	12.94
Violet	A	V500	32171	31300	-3	4.34	729	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17377	18.22	621	0	N/A	N/A	Pass
Blue	F	SSC	57006	1.28	561	2	N/A	N/A	Pass
Blue	E	FITC	62	65.51	543	0	0.0199	169	Pass
Blue	D	PE	135	49.42	549	1	0.1831	309	Pass
Blue	B	PerCP-Cy5-5	215	50.09	657	1	0.0092	73	Pass
Blue	A	PE-Cy7	110	101.44	700	2	0.0112	20	Pass
Red	C	APC	384	25.17	587	3	0.0253	173	Pass
Red	A	APC-Cy7	174	28.24	558	2	0.0057	938	Pass
Violet	B	V450	65	57.02	460	2	0.0522	1817	Pass
Violet	A	V500	109	32.64	477	3	0.0261	834	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.39	-32.05	1.00
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	16.36	13.60 - 20.40	N/A	N/A	29.71	30.08	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10004

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments